RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/578,701
Source: IFW
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IFWP

RAW SEQUENCE LISTING DATE: 05/18/2006
PATENT APPLICATION: **US/10/578,701** TIME: 10:27:53

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05182006\J578701.raw**

<110> APPLICANT: BioVentures, Inc.
Vanderbilt University
Dawson, Elliot P.
Phillips, John A.
Womble, Kristie E.
<120> TITLE OF INVENTION: Chromosome 5 Genetic Variants Related to Dyslexia
<130> FILE REFERENCE: 14160-2US
C--> **<140> CURRENT APPLICATION NUMBER: US/10/578,701**
C--> **<141> CURRENT FILING DATE: 2006-05-09**
<150> PRIOR APPLICATION NUMBER: 60/520,366
<151> PRIOR FILING DATE: 2003-11-14
<150> PRIOR APPLICATION NUMBER: PCT/US04/37587
<151> PRIOR FILING DATE: 2004-11-13
<160> NUMBER OF SEQ ID NOS: 25
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 3664
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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attaatctgg aattccattt gttcttcact ttttgaatat gtctgtttag ttgactgtag 180
tgccactggc aggaccatgt gcccaggaaa tccaagactc atatttggac gaaagctatg 240
tccacttttc aactagtacc cctacccaaa ttaccatagc aaccaaaaaa ttgcagatgc 300
ctacattcta gaatcatgtt ctaaagggat gtcatcattt acaaaatgtc tttgttgagt 360
ctgaatggtt caaacaatag caaaaaagga ttatttctct cttggacatt tcaaagtact 420
atgacacaaa atatccaaga cttgttatgg tgaggagcca agtggaatgg aaaggacagc 480
tcatcccggc ggctgggagt gcatgcacac acatgccccc tttttcttgc ctactaacag 540
gatctataga aggcgtacat aatgagtatg taggggactt ggctgctttc agttaggaat 600
gagacactga tatggttgga atatagtaag agaaaaaggg aggtctttct taaaaaacgg 660
ttttgtgtaa aaatagagat ggcacttaat ggatatcata ttagcaggct ccctggacaa 720
atacatagag ccaaaacttc tcatcgatta gccacctctt caagtttagg ggttgaaaat 780
ctgaaacaac tacaaacatg gtatctctct gaaaaggaga taacgtaaaa gttatcacat 840
attaatataa tgtgtatgaa taaattgaca agctggttag aaattagaaa taaaagtctt 900
gaggcaataa aagaggtaat aacataggca aaaagagctc ttcttctgga gagtggttgt 960
agatggagta aacaagttta ggtactgaac tgagaatagc acatggatag accaattgtg 1020
gatgaaggag actaaagaga ggtttaacga atattgaaat gaacctccag gtaggttgta 1080
tttattagtt tgctgggaac aagctgcttt tctctctcct gtgaagcagg aaggcaaatt 1140
tctagtggct ttccaaagga aatgggaaat ctaaggaaat ggtttgatac cagagtgttc 1200
tccttaggtt tattttaatg atggacttaa agatactttc ctatactcat gagctatgtt 1260
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aaattttaga ctcctcagag cattacaaaa aacaagcaca aaatagaagc ctaatatgca 1380

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75 gggaaagtca ctgaccatgc ccttggtact gctgattgta ttgcagagca agagatggac 1440
77 cctgagggta cttgaagcca acaagtttca cttctggaaa aagacttcag aatatgagtt 1500
79 taaaatataa aaagggaatt tgagccaaga cacaagaaca aacttttttt gacaattata 1560
81 tctttattat tcctcttaca gagctacatt tactcttact aagtttcaga gtcaggtagt 1620
83 aatttacagt aagactgaat taccatccat aacgttagat gtccttattg aaacttcaac 1680
85 atcatttcca aatatcagca ttagcattgt gcttgacatt catttaacga agttactgaa 1740
87 aatctattaa gtataagaca tcagttattt ttaatagaag tttctgaaaa catttcagca 1800
89 aaatagcctg ttgagaaaaa tgtgtatgct gaaaaaaaaa aatgaacaaa taggaaagcc 1860
91 tggttcacaa acaggtgtca gggaaataga cagtactttt atagtaataa cataagaaca 1920
93 aacttcttga aggtaagttt tattaaataa taggacaaca acaagataaa atgacttctt 1980
95 cctgatattt atatattgat tgctggctgg tcataagact gtttttaggc aacgtgtttt 2040
97 gaaaaaccag aaagtctact accttgagtt ttcagccacg tgagaatagc aagattcagt 2100
99 gtttatactt gatagcatct taattaggcc tacaggcctc cctttcacat aactaccttc 2160
101 aagtttatga cagctcaaac tcacaattat cattatggag aagagagaag agttaagcta 2220
103 aaaacagacc actttcagag gacctgaaag caacgtaatc agtcacctat tgccatatac 2280
105 aagccacccc caaacataat gacttaaaac agcgatcatc tattattgct tatgagtctc 2340
107 tgagtcagct gaacattcct gctgatctgg gcttggttag gcttatttta gctgtgttca 2400
109 ttcttggtct gcagatagct gacaatcacc taggggctga ctgtaggcat tccagctgag 2460
111 atatgctctc tgtgtctttt atcctttagc aggaggaggc ttgctcacag ggtggttaca 2520
113 ggcatccaag agagtcagca taaatgtgaa aagtttccaa aatatcagat tcagtcctat 2580
115 gtaatctggt ttccattgca ttctcttggc cagagcaagt tgcaagacaa gtccaaattc 2640
117 aagaaggtca agaaatacac tccatctcca ggtaggagaa gctgcaaaga actgtgacaa 2700
119 tctatgacaa atagtatgtt caaagggaat aatatgggaa gatgtgccct ccgccaactt 2760
121 ctcagggaaa aatacagctt ttgtaatatt tagtaatata gactgtctaa tatttctaga 2820
123 gaaatctatg actttgagtt gaaatatctg aggccaacac tccaagcaat tttaaacaag 2880
125 tggtgacaga aattaccaga cacacatcaa gactcaagta taaagctata caatttaagg 2940
127 atgctcagca aatgttactg aattgactgg gtagtcccta aagagctgaa gaataaaaga 3000
129 tgttatgaga aatccaacaa taccaaatat aaattgcctc aggttctgaa atattcaata 3060
131 aagtattctc actgtagttc cttcagctta gctgatttgg actttggctg tgaaaacatt 3120
133 atcctcagtg tttaaaaggt tggaaaattc tactgggtct ttggcccaac ctggaattaa 3180
135 atcctgatgc ttagaacctc aaagtctaaa atcttctatt gtcactttac agagctattg 3240
137 aaacatatta ataaacttgt atcatactga tttgattcta atttttgtgg gacattgttt 3300
139 aaaaattgtt gaaatgcata tatggaaaat tgatttttta agtaaatgta taacttttaa 3360
141 aattgtatcc tacatctaac tccaaataaa ggtttaaaaa caactatgag caatataagt 3420
143 aatacattta aaatacattt aagagaaaga taaggaaaaa aggaatgact catgaaggtt 3480
145 agtacacaat ctatgcatct tgaatatttg cacacttacc aagtatttgg ctccagggtt 3540
147 tctggcagct aatgcaaaga gaggaacaga atcaagtttc atggtattat ctggtagact 3600
149 gtggaagcta tagcatttct gccccctcat gttttcacat tccccttttag agaacagcac 3660
151 aata 3664
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155 <211> LENGTH: 22
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: synthetic primer
162 <400> SEQUENCE: 2
163 actaagaagt gcattagtcg gg 22
166 <210> SEQ ID NO: 3
167 <211> LENGTH: 20

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168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: synthetic primer
174 <400> SEQUENCE: 3
175 ttcctgtgct ctagcttgct 20
178 <210> SEQ ID NO: 4
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: synthetic primer
186 <400> SEQUENCE: 4
187 tgcaaatcta tgctgcaaaa 20
190 <210> SEQ ID NO: 5
191 <211> LENGTH: 20
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: synthetic primer
198 <400> SEQUENCE: 5
199 ggttgcctaa tcacgagaaa 20
202 <210> SEQ ID NO: 6
203 <211> LENGTH: 25
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: synthetic primer
210 <400> SEQUENCE: 6
211 ccaaaggctt ggtgatttag tggac 25
214 <210> SEQ ID NO: 7
215 <211> LENGTH: 25
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: synthetic primer
222 <400> SEQUENCE: 7
223 ctagattgaa ggccagaaaa catgc 25
226 <210> SEQ ID NO: 8
227 <211> LENGTH: 19
228 <212> TYPE: DNA
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: synthetic primer
234 <400> SEQUENCE: 8
235 aacatcttag ggcatcctg 19
238 <210> SEQ ID NO: 9
239 <211> LENGTH: 25
240 <212> TYPE: DNA

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Input Set : **A:\Sequence Listing.txt**
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<213> ORGANISM: Artificial Sequence
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<400> SEQUENCE: 9
aatgatttaa aatagattag gagca 25
<210> SEQ ID NO: 10
<211> LENGTH: 62
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 10
Met Val Arg Ser Gln Val Glu Trp Lys Gly Gln Leu Ile Pro Ala Ala
1 5 10 15
Gly Ser Ala Cys Thr His Met Pro Pro Phe Ser Cys Leu Leu Thr Gly
20 25 30
Ser Ile Glu Gly Val His Asn Glu Ala Ser Cys Lys Thr Ser Pro Asn
35 40 45
Ser Arg Arg Ser Arg Asn Thr Leu His Leu Gln Arg Asn Leu
50 55 60
<210> SEQ ID NO: 11
<211> LENGTH: 45
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 11
Met Val Arg Ser Gln Val Glu Trp Lys Gly Gln Leu Ile Pro Ala Ala
1 5 10 15
Gly Ser Ala Cys Thr His Met Pro Pro Phe Ser Cys Leu Leu Thr Gly
20 25 30
Ser Ile Glu Gly Val His Asn Glu Ala Arg Asp Gly Pro
35 40 45
<210> SEQ ID NO: 12
<211> LENGTH: 189
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 12
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acacacatgc ccccttttc ttgcctacta acaggatcta tagaaggcgt acataatgaa 120
gcaagttgca agacaagtcc aaattcaaga aggtcaagaa atacactcca tctccagaga 180
aatctatga 189
<210> SEQ ID NO: 13
<211> LENGTH: 138
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13
atggtgagga gccaagtgga atggaaagga cagctcatcc cggcggctgg gagtgcatgc 60
acacacatgc ccccttttc ttgcctacta acaggatcta tagaaggcgt acataatgaa 120
gcaagagatg gaccctga 138
<210> SEQ ID NO: 14
<211> LENGTH: 20
<212> TYPE: DNA

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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: synthetic primer
<400> SEQUENCE: 14
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<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: synthetic primer
<400> SEQUENCE: 15
ctccttcatc cacaattggt c 21
<210> SEQ ID NO: 16
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: synthetic primer
<400> SEQUENCE: 16
tcatcgatta gccacctctt c 21
<210> SEQ ID NO: 17
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: synthetic primer
<400> SEQUENCE: 17
tgtcaagcac aatgctaatg c 21
<210> SEQ ID NO: 18
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: synthetic primer
<400> SEQUENCE: 18
ggtttgatac cagagtgttc tcc 23
<210> SEQ ID NO: 19
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
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<400> SEQUENCE: 19
gtcttatgac cagccagcaa t 21
<210> SEQ ID NO: 20
<211> LENGTH: 21
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VERIFICATION SUMMARY DATE: 05/18/2006
PATENT APPLICATION: **US/10/578,701** TIME: 10:27:54

Input Set : **A:\Sequence Listing.txt**
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date